ABSTRACT OF THE DISCLOSURE

The present invention relates to a method to isolate plant genes or gene fragments that are regulated by stress, preferably oxidative stress. The method includes isolation of plant material, adaptation of the plant material to stress, differential expression of genes or gene fragments in adapted and nonadapted plant material, and isolation of the differentially expressed genes or gene fragments. The invention further relates to the genes or gene fragments that can be obtained by this method and to the use of these genes or gene fragments to modulate plant stress tolerance.